SEQUENCE LISTING

<110>   Health Research Organization
        Philpott, Sean
        Burger, Harold
        Weiser, Barbara

<120>   Analysis of HIV-1 Coreceptor Use in the Clinical Care of HIV-1
        Infected Patients

<130>   454311-2220.1

<140>   09/963,064
<141>   2001-09-25

<150>   60/235,671
<151>   2000-09-26

<150>   60/282,354
<151>   2001-04-06

<160>   34

<170>   PatentIn version 3.2

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<212>   PRT
<213>   Human immunodeficiency virus type 1

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1   5   10   15

Gly Gln Ala Phe Tyr Ala Thr Gly Asn Ile Ile Gly Asp Ile Arg Gln
            20   25   30

Ala Tyr Cys
        35

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<213>   Human immunodeficiency virus type 1

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            20   25   30

Ala Tyr Cys
        35

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<213>   Human immunodeficiency virus type 1

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Gly Gln Ala Phe Tyr Ala Thr Gly Asn Ile Val Gly Asp Ile Arg Gln
            20   25   30

Ala Tyr Cys
        35

<210>   4
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<213>   Human immunodeficiency virus type 1

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Asp Ile Ile Gly Asn Ile Arg Lys Ala His Cys
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<213>   Human immunodeficiency virus type 1

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Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Val His Ile Gly Pro
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Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asn Ile Arg Lys
            20   25   30

Ala His Cys
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<210>   6
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<213>   Human immunodeficiency virus type 1

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Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Val His Ile Gly Pro
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Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asn Ile Arg Gln
          20   25   30

Ala His Cys
          35

<210>   7
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<213>   Human immunodeficiency virus type 1

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Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asn Met Arg Lys
          20   25   30

Ala His Cys
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<210>   8
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<212>   PRT
<213>   Human immunodeficiency virus type 1

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Gly Gln Ala Phe Tyr Gly Thr Asp Asp Ile Ile Gly Asp Ile Arg Lys
          20   25   30

Ala Arg Cys
          35

<210>   9
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<212>   PRT
<213>   Human immunodeficiency virus type 1

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Cys Thr Arg Pro Ser Asn Asn Arg Arg Lys Ser Ile His Lys Gly Asp
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Gln Asp Lys His Ser Met Glu His Asp Asp Val Ile Gly Asp Ile Arg
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Lys Ala Arg Cys

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<213>   Human immunodeficiency virus type 1

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            20   25   30

Ala His Cys
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<213>   Human immunodeficiency virus type 1

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Gly Gln Ala Leu Tyr Thr Thr Glu Ile Ile Gly Asp Ile Arg Lys Ala
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His Cys

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<213>   Human immunodeficiency virus type 1

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Cys Thr Arg Pro Asn Asn Asn Thr Ile Thr Ser Ile Arg Ile Gly Pro
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Gly Gln Ala Phe Tyr Ala Thr Gly Ser Ile Ile Gly Asn Ile Arg Gln
            20   25   30

Ala His Cys
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<210>   13
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<213> Human immunodeficiency virus type 1

<400> 13

Cys Thr Arg Pro Asn Asn Asn Thr Ile Thr Ser Ile Arg Ile Gly Pro
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Gly Gln Ala Phe Tyr Ala Thr Gly Ser Ile Ile Gly Asn Thr Arg Gln
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Ala His Cys
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<213> Human immunodeficiency virus type 1

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                20   25   30

Ala His Cys
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<210> 15
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<223>   NL7103F primer used in sequencing of V3 loop of the envelope gene

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<223>   NL7356R primer used in sequencing of V3 loop of the envelope gene

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<223>   "x" can be either G or S

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<400>   22
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Asn Asn Thr Arg Lys Xaa Ile Xaa Ile Gly Pro Gly Xaa Thr Gly Xaa
1   5   10   15

Ile Ile Gly

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<210>   23
<211>   19
<212>   PRT
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<223>    "X" can be K, H, or R

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<223>    "X" can be D or E

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Asn Asn Thr Arg Lys Xaa Ile Xaa Ile Gly Pro Gly Xaa Thr Gly Xaa
1               5                   10                  15


Ile Ile Gly



<210>    24
<211>    19
<212>    PRT
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<223>    "X" can be any amino acid except K, H, or R

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<400>    24
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Ile Ile Gly
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<212>   PRT
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<223>   "x" can be any amino acid

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<400>   25
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Ile Ile Gly
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Cys Ile Arg Pro Asn Asn Asn Thr Arg Thr Ser Ile Arg Ile Gly Pro
1   5   10   15

Gly Gln Ala Phe Tyr Ala Thr Gly Asn Ile Ile Gly Gly Ile Arg Gln
            20   25   30

Ala Tyr Cys
        35

<210>   27
<211>   35
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<213>   Human immunodeficiency virus type 1

<400>   27

Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Val His Ile Gly Leu
1   5   10   15

Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asn Ile Arg Lys
            20   25   30

Ala His Cys
        35

<210>   28
<211>   35
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<213>   Human immunodeficiency virus type 1

<400>   28

Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Val His Ile Gly Pro
1   5   10   15

Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Leu Gly Asn Ile Arg Gln
            20   25   30

Ala His Cys
        35

<210>   29
<211>   35
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<213>   Human immunodeficiency virus type 1

<400>   29

Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Val His Ile Gly Pro
1   5   10   15

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Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asp Ile Arg Gln
        20                  25                  30

Ala Tyr Cys
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<210> 30
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<213> Human immunodeficiency virus type 1

<400> 30

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Cys Thr Arg Pro Asn Asn Asn Thr Lys Lys Ser Val His Ile Gly Pro
1               5                   10                  15

Gly Gln Ala Phe Tyr Ala Thr Gly Asp Ile Ile Gly Asp Ile Arg Gln
        20                  25                  30

Ala Tyr Cys
        35
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<210> 31
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<212> PRT
<213> Human immunodeficiency virus type 1

<400> 31

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1               5                   10                  15

Gly Gln Ala Phe Tyr Ala Thr Gly Asp Val Ile Gly Asp Ile Arg Arg
        20                  25                  30

Ala His Cys
        35
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<210> 32
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<212> PRT
<213> Human immunodeficiency virus type 1.

<400> 32

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Gly Gln Ala Phe Tyr Gly Thr Asp Asp Ile Ile Gly Asp Ile Arg Gln
        20                  25                  30

Ala His Cys
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<210> 33
<211> 35
<212> PRT
<213> Human immunodeficiency virus type 1

<400> 33

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1               5               10              15


Gly Gln Ala Phe Tyr Gly Thr Asp Asp Ile Ile Gly Gly Ile Arg Lys
            20              25              30


Ala Arg Cys
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<210> 34
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Gly Gln Ala Phe Tyr Gly Thr Asp Asp Ile Ile Gly Asp Ile Arg Lys
            20              25              30


Ala Arg Cys
        35
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1

1